## WHAT IS CLAIMED IS:

- 1. A method of handling organic material adaptable for making an organic layer on a structure which will form part of an organic light-emitting device, comprising the steps of:
  - a) providing the organic material in a powder form;
- b) placing such organic powder into a die and applying sufficient pressure to the organic powder in the die to cause the organic powder to agglomerate into a solid pellet; and
  - c) removing the pellet from the die.
- 2. The method of claim 1 wherein step a) includes providing organic hole-transporting material, organic light-emitting material, or organic electron-transporting material.
- 3. The method of claim 2 wherein step a) further includes providing at least one organic hole-transporting host material and at least one organic dopant material therefor, at least one organic light-emitting host material and at least one organic dopant material therefor, or at least one organic electron-transporting host material and at least one organic dopant material therefor.
- 4. The method of claim 1 wherein step b) includes placing the organic powder into a die having at least one concave major surface to provide the solid pellet with at least one corresponding convex major surface.
- 5. The method of claim 1 wherein step b) further includes selecting a temperature of the die in a range from 20°C to 300°C prior to or during applying sufficient pressure to the organic powder in the die.

- 6. The method of claim 5 wherein step c) further includes reducing the temperature of the die to a range from 20°C to 80°C prior to removing the pellet from the die.
- 7. A method of making an organic layer from an organic material on a structure which will form part of an organic light-emitting device, comprising the steps of:
  - a) providing the organic material in a powder form;
- b) placing such organic powder into a die and applying sufficient pressure to the organic powder in the die to cause the organic powder to agglomerate into a solid pellet;
  - c) removing the pellet from the die;
- d) placing the pellet into a thermal physical vapor deposition source disposed in a chamber;
- e) positioning the structure in the chamber and in a spaced relationship with respect to the source;
  - f) evacuating the chamber to a reduced pressure; and
- g) applying heat to the source to cause a portion of the pellet to sublime to provide a vapor of the organic material from which the organic layer is made on the structure.
- 8. The method of claim 7 wherein step a) includes providing organic hole-transporting material, organic light-emitting material, or organic electron-transporting material.
- 9. The method of claim 8 wherein step a) further includes providing at least one organic hole-transporting host material and at least one organic dopant material therefor, at least one organic light-emitting host material and at least one organic dopant material therefor, or at least one organic electron-transporting host material and at least one organic dopant material therefor.

- 10. The method of claim 7 wherein step d) includes placing more than one pellet into the thermal physical vapor deposition source.
- A method of handling sublimable organic material adaptable for making an organic layer on a structure which will form part of an organic light-emitting device, comprising the steps of:
- a) providing the sublimable organic material in a powder form;
- b) providing a thermally conductive and non-sublimable material in a powder form;
- c) forming a mixture of selected portions of the sublimable organic material powder and the thermally conductive and non-sublimable material powder;
- d) placing such mixture into a die and applying sufficient, pressure to the mixture in the die to cause the mixture of powders to agglomerate into a solid pellet; and
  - e) removing the pellet from the die.
- 12. The method of claim 11 wherein step a) includes providing organic hole-transporting material, organic light-emitting material, or organic electron-transporting material.
- 13. The method of claim 12 wherein step a) further includes providing at least one organic hole-transporting host material and at least one organic dopant material therefor, at least one organic light-emitting host material and at least one organic dopant material therefor, or at least one organic electron-transporting host material and at least one organic dopant material therefor.

- 14. The method of claim 11 wherein step b) includes providing a material selected from the group consisting of carbon, silicon, silicon dioxide, metals, metal oxides, and metal alloys.
- 15. The method of claim 11 wherein step c) includes selecting a portion of the sublimable organic material powder in a range from 50 to 99 weight percent and selecting a portion of the thermally conductive and non-sublimable material powder in a range from 1.0 to 50 percent weight percent.
- 16. The method of claim 11 wherein step d) includes placing the mixture into a die having at least one concave major surface to provide the solid pellet with at least one corresponding convex major surface.
- 17. The method of claim 11 wherein step d) further includes selecting a temperature of the die in a range from 20°C to 300°C prior to or during applying sufficient pressure to the mixture in the die.
- 18. The method of claim 17 wherein step e) further includes reducing the temperature of the die to a range from 80°C to 20°C prior to removing the pellet from the die.

A method of making an organic layer from an organic material on a structure which will form part of an organic light-emitting device, comprising the steps of:

- a) providing a sublimable organic material in a powder form;
- b) providing a thermally conductive and non-sublimable material in a powder form;
- c) forming a mixture of selected portions of the sublimable organic material powder and the thermally conductive and non-sublimable material powder;

- d) placing such mixture into a die and applying sufficient pressure to the mixture in the die to cause the mixture of powders to agglomerate into a solid pellet;
  - e) removing the pellet from the die;
- f) placing the pellet into a thermal physical vapor deposition source disposed in a chamber;
- g) positioning the structure in the chamber and in a spaced relationship with respect to the source;
  - h) evacuating the chamber to a reduced pressure; and
- i) applying heat to the source to cause a portion of the pellet to sublime to provide a vapor of the organic material from which the organic layer is made on the structure.
- 20. The method of claim 19 wherein step a) includes providing organic hole-transporting material, organic light-emitting material, or organic electron-transporting material.
- 21. The method of claim 20 wherein step a) further includes providing at least one organic hole-transporting host material and at least one organic dopant material therefor, at least one organic light-emitting host material and at least one organic dopant material therefor, or at least one organic electron-transporting host material and at least one organic dopant material therefor.
- 22. The method of claim 19 wherein step b) includes providing a material selected from the group consisting of carbon, silicon, silicon dioxide, metals, metal oxides, and metal alloys.
- 23. The method of claim 19 wherein step c) includes selecting a portion of the sublimable organic material powder in a range from 50 to 99 weight

percent and selecting a portion of the thermally conductive and non-sublimable material powder in a range from 1 to 50 weight percent.

24. The method of claim 19 wherein step f) includes placing more than one pellet into the thermal physical vapor deposition source.

A method of handling sublimable organic material adaptable for making an organic layer on a structure which will form part of an organic light-emitting device, comprising the steps of:

- a) providing at least one sublimable organic host material in a powder form;
- b) providing at least one sublimable organic dopant material in a powder form and as a selected weight fraction of the organic host material;
- c) forming a first mixture of the at least one organic host material and the at least one organic dopant material;
- d) providing a thermally conductive and non-sublimable material in a powder form;
- e) forming a second mixture of selected portions of the first mixture and the thermally conductive and non-sublimable material powder;
- f) placing such second mixture into a die and applying sufficient pressure to the second mixture in the die to cause the second mixture of powders to agglomerate into a solid pellet; and
  - g) removing the pellet from the die;
- 26. The method of claim 25 wherein step a) includes providing at least one organic hole-transporting host material, at least one organic light-emitting host material, or at least one organic electron-transporting host material.

- 27. The method of claim 25 wherein step d) includes providing a material selected from the group consisting of carbon, silicon, silicon dioxide, metals, metal oxides, and metal alloys.
- 28. The method of claim 25 wherein step e) includes selecting a portion of the first mixture in a range from 50 to 99 weight percent and selecting a portion of the thermally conductive and non-sublimable material powder in a range from 1.0 to 50 percent weight percent.
- 29. The method of claim 25 wherein step f) includes placing the second mixture into a die having at least one concave major surface to provide the solid pellet with at least one corresponding convex major surface.
- 30. The method of claim 25 wherein step f) further includes selecting a temperature of the die in a range from 20°C to 300°C prior to or during applying sufficient pressure to the second mixture in the die.
- 31. The method of claim 30 wherein step g) further includes reducing the temperature of the die to a range from 80°C to 20°C prior to removing the pellet from the die.
- A method of making an organic layer from an organic material on a structure which will form part of an organic light-emitting device, comprising the steps of:
- a) providing at least one sublimable organic host material in a powder form;
- b) providing at least one sublimable organic dopant material in a powder form and as a selected weight fraction of the organic host material;
- c) forming a first mixture of the at least one organic host material and the at least one organic dopant material;

- d) providing a thermally conductive and non-sublimable material in a powder form;
- e) forming a second mixture of selected portions of the first mixture and the thermally conductive and non-sublimable material powder;
- f) placing such second mixture into a die and applying sufficient pressure-to the second mixture in the die to cause the second mixture of powders to agglomerate into a solid pellet;
  - g) removing the pellet from the die;
- h) placing the pellet into a thermal physical vapor deposition source disposed in a chamber;
- i) positioning the structure in the chamber and in a spaced relationship with respect to the source;
  - j) evacuating the chamber to a reduced pressure; and
- k) applying heat to the source to cause a portion of the pellet to sublime to provide a vapor of the first mixture of organic materials from which the organic layer is made on the structure.
- 33. The method of claim 32 wherein step a) further includes providing at least one organic hole-transporting host material, at least one organic light-emitting host material, or at least one organic electron-transporting host material.
- 34. The method of claim 33 wherein step b) further includes providing at least one organic dopant material selected as a dopant for the at least one organic hole-transporting host material, at least one organic dopant material selected as a dopant for the at least one organic light-emitting host material, or at least one organic dopant material selected as a dopant for the at least one organic electron-transporting host material.

- 35. The method of claim 32 wherein step d) includes providing a material selected from the group consisting of carbon, silicon, silicon dioxide, metals, metal oxides, and metal alloys.
- 36. The method of claim 32 wherein step h) includes placing more than one pellet into the thermal physical vapor deposition source.